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Title: **JP9227200A2: PRODUCTION OF INORGANIC BOARD**

Derwent Title: Manufacturing inorganic boards - comprises dispersing raw inorganic mixture of cement, fibre, and alkali-treated hollow filler, in water, then dewatering, laminating, moulding etc.. [\[Derwent Record\]](#)

Country: **JP** Japan

Kind: **A** (See also: [JP3265183B2](#))

Inventor: **NISHIZAWA KAZUhide**;

Assignee: **NICHIHA CORP**
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Published / Filed: **1997-09-02 / 1996-02-28**

Application Number: **JP1996000069119**

IPC Code: **C04B 28/02; B28B 1/52; B28B 3/02; C04B 28/02;**

ECLA Code: **C04B28/02;**

Priority Number: **1996-02-28 JP1996000069119**

Abstract: **PROBLEM TO BE SOLVED:** To improve the interlaminar adhesion between a multilayer mat and an inorganic board product to surely prevent their delamination by using a raw material mixture mainly comprising cement and a fiber material and in addition, inorganic hollow filler treated with alkali.

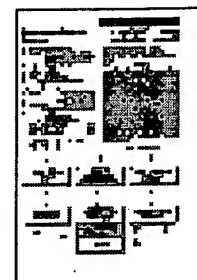
SOLUTION: A mixture of inorganic board raw materials mainly comprising cement and fibrous material and, in addition, alkali-treated inorganic hollow filler is dispersed in water to prepare a slurry. This slurry is subjected to fiber sheet-making and drained to form mats, then mats are laminated to a multilayer product and the laminated mat is molded and cured by aging. The inorganic hollow filler is preferably alkali-treated by dipping the filter in an aqueous alkali with a pH of ≥ 9 for ≥ 10 minutes under stirring. During the alkali treatment, a non-hollow inorganic powder (for example, calcium carbonate, tale or the like) is preferably admixed to the aqueous alkali solution.

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